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**MARK****SHOW EQUIVALENT ABSTRACTS**

**Patents Cited by Inventor:** 0  
**Patents Cited by Examiner:** 0

**Citing Patents:** 0

**Articles Cited by Inventor:** 0  
**Articles Cited by Examiner:** 0

**Patent Number(s):**

JP3049692-A ; JP2819312-B2

**Title:**

N-Acetyl lactosamine prep. - by treating substrate contg. lactose and N-acetyl glucosamine with beta-galactosidase derived from *Bacillus circulans*

**Patent Assignee Name(s) and Code(s):**

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**Derwent Primary Accession Number:**

1991-106865 [15]

**Abstract:**

N-acetyl lactosamine (I) is prep'd. by allowing beta-galactosidase produced by *Bacillus circulans* to act upon a substrate composition containing lactose and N-acetyl glucosamine to cause galactose transition reaction.

The molar ratio of lactose to N-acetyl glucosamine is 1:1 to 1:5, and both compounds are used in total in an amount 20-70% relative to the whole substrate composition. The beta-galactosidase is added to the composition in an amount of 0.5-5 u/ml. The reaction is conducted at 5-50 deg.C at pH of 4-9 for 2-50 hours. By heating, the reaction is stopped, and the resultant is subjected to column chromatography, gel filtration, liquid high speed chromatography, etc., to recover (I).

**ADVANTAGE** - The method makes it possible to produce the object compound at high yield.  
 @ (3pp Dwg.No.0/0)

**International Patent Classification:**

C12P-019/26

**Derwent Class:**

D16 (Fermentation industry); E16 (Aliphatics containing N and/or halogen)

**Derwent Manual Code(s):**

D05-C08; E07-A02H

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JP2819312-B2	30 Oct 1998	C12P-019/26	199848	Pages: 2	

**Application Details and Date:**

JP3049692-A	JP184918	18 Jul 1989
JP2819312-B2	JP184918	18 Jul 1989

**Further Application Details:**

JP2819312-B2 Previous Publ. Patent JP3049692

**Priority Application Information and Date:**

JP184918 18 Jul 1989

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**Patent 2 of 2**

PREVIOUS

SUMMARY

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